



# FEMA



Prepared by  
*Cindy Elsenheimer*

# FEMA Region 6 Weather Threat Briefing

Thursday, February 7, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today

- Slight risk of severe thunderstorms across **NE AR**; damaging winds are the primary hazard with a few tornadoes possible.
- Isolated strong to severe thunderstorms possible over **S AR** into **NE TX**.
- Isolated heavy rain possible over **NE AR**.
- Elevated fire weather conditions across **W TX** into the Permian Basin.

## Friday - Sunday

- No significant weather impacts expected.

## Monday

- Another round of heavy rainfall possible for **AR**.

## River Flooding

- Minor river flooding with minimal impacts continues across **E TX** into **LA/AR**. Additional rises across **AR** are possible this week.
- Releases from the Sam Rayburn Dam and Reservoir Spillway is continuing down the Angelina River in **SE TX**. Low lying areas will be flooded by these authorized spillway releases with additional increases likely this week.

# FEMA Region 6 Threat Matrix

Feb 7, 2019 – Feb 11, 2019



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DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms	NE AR				
	S AR/NE TX				
Heavy Rain / Flash Flooding	NE AR				AR
Winter Weather	NE OK				
Fire Weather	W TX				
River Flooding	E TX/LA/E AR				

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

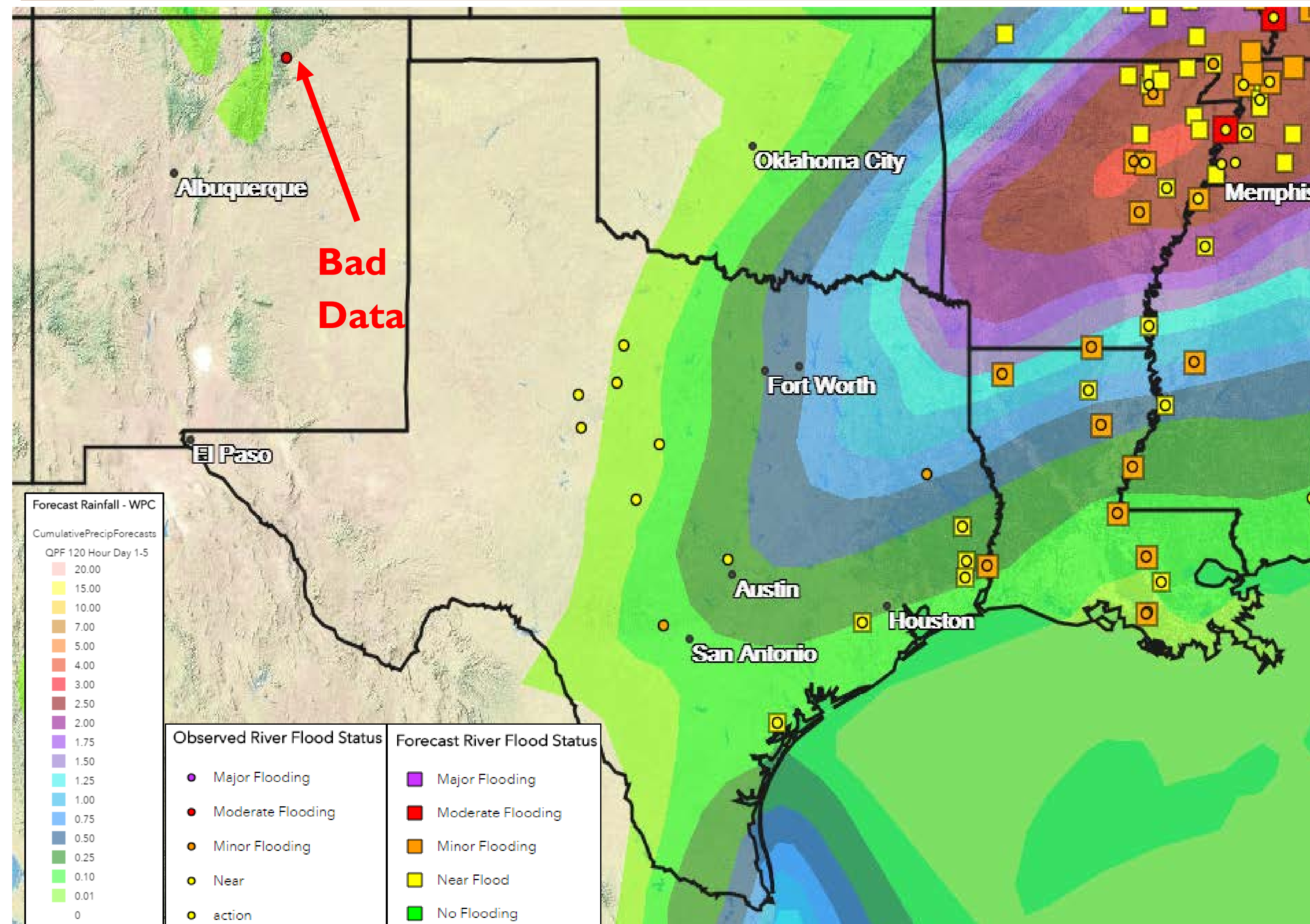


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Minor river flooding with minimal impacts continues across E TX, LA & E AR. Additional rises are possible across AR this week.**

**Releases from the Sam Rayburn Dam and Reservoir Spillway is continuing down the Angelina River in SE TX. Low lying areas will be flooded by these authorized spillway releases with additional increases likely this week.**

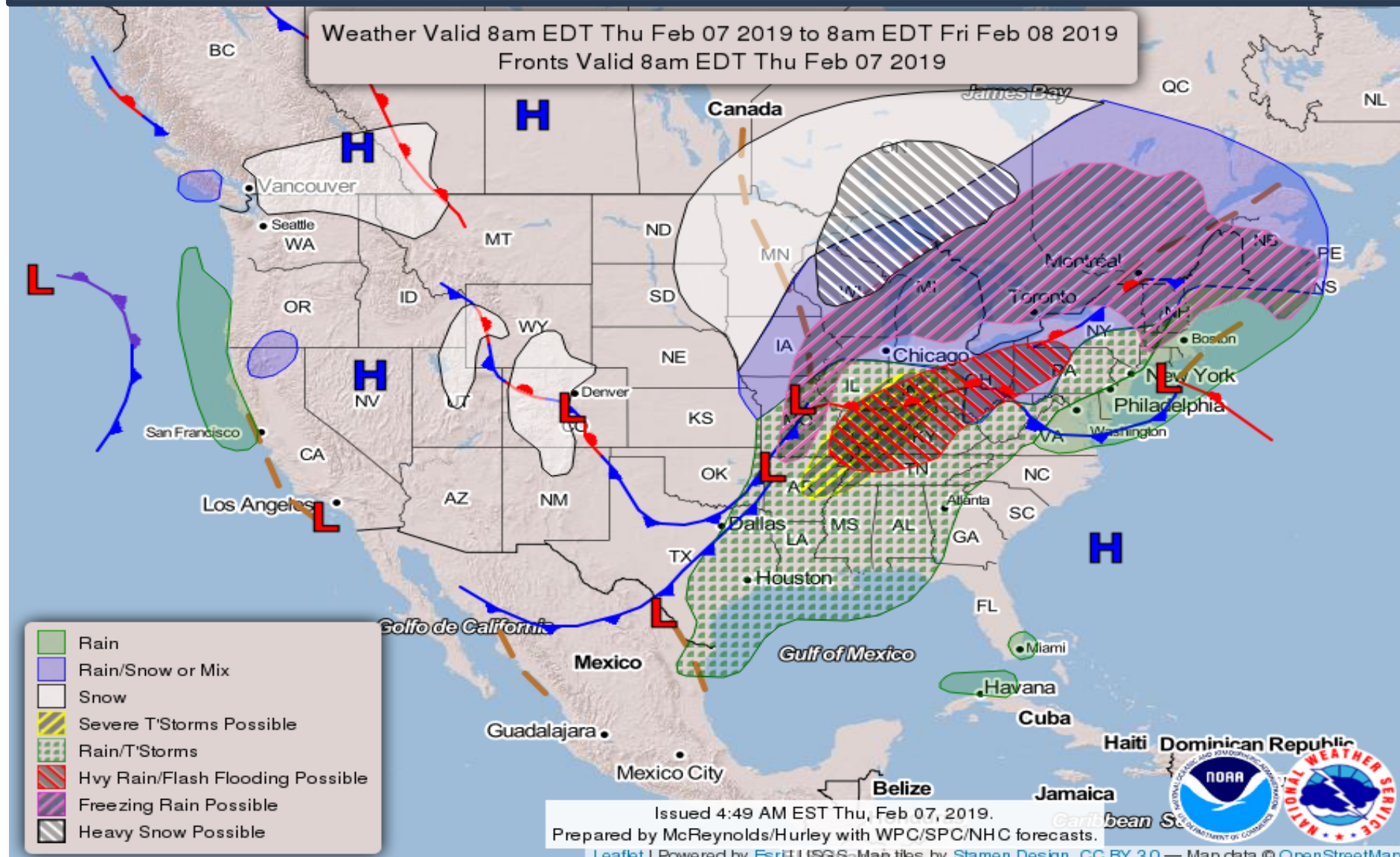


# Today's Weather

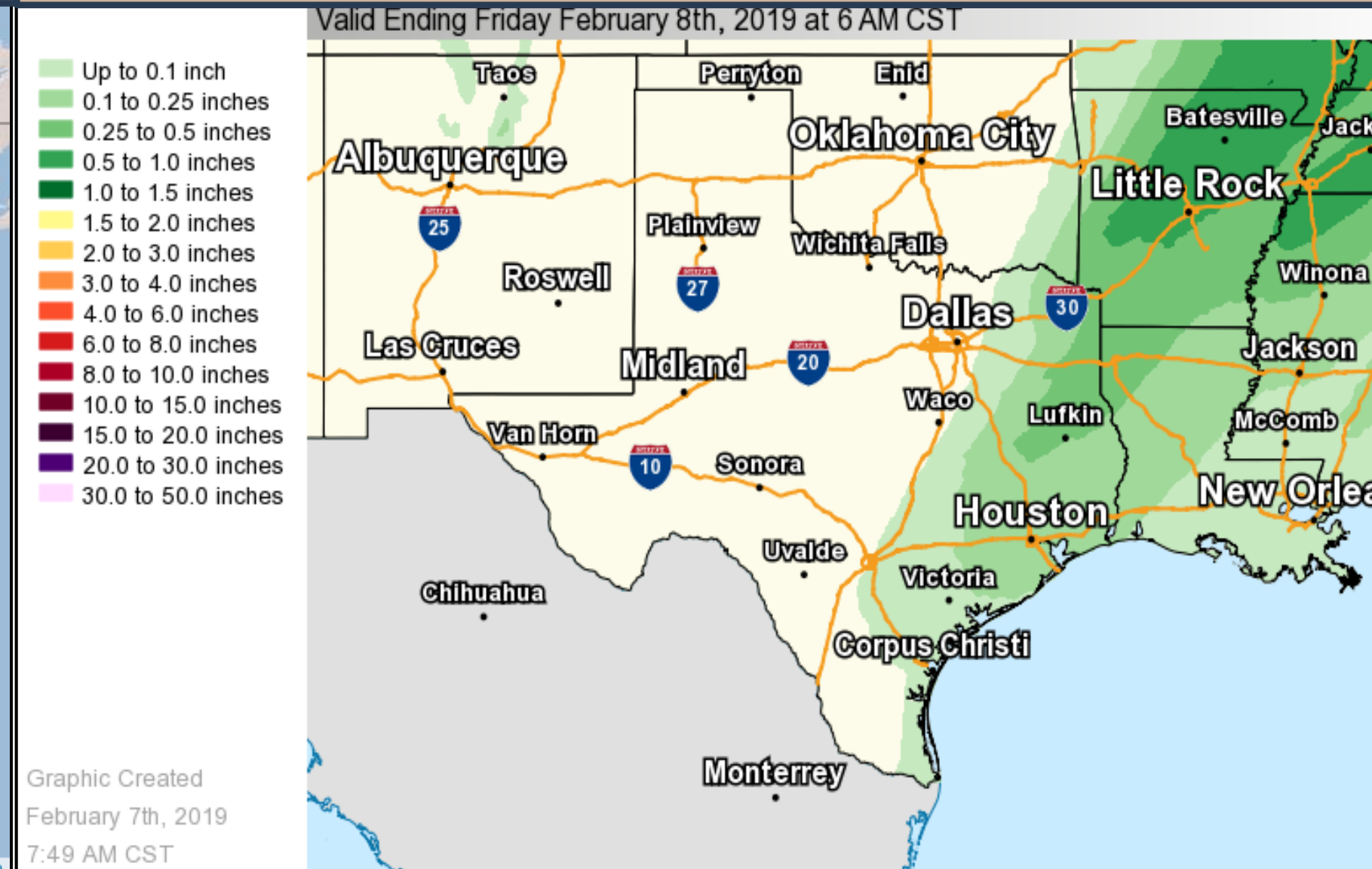


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## Forecast Chart



## Forecast Rainfall

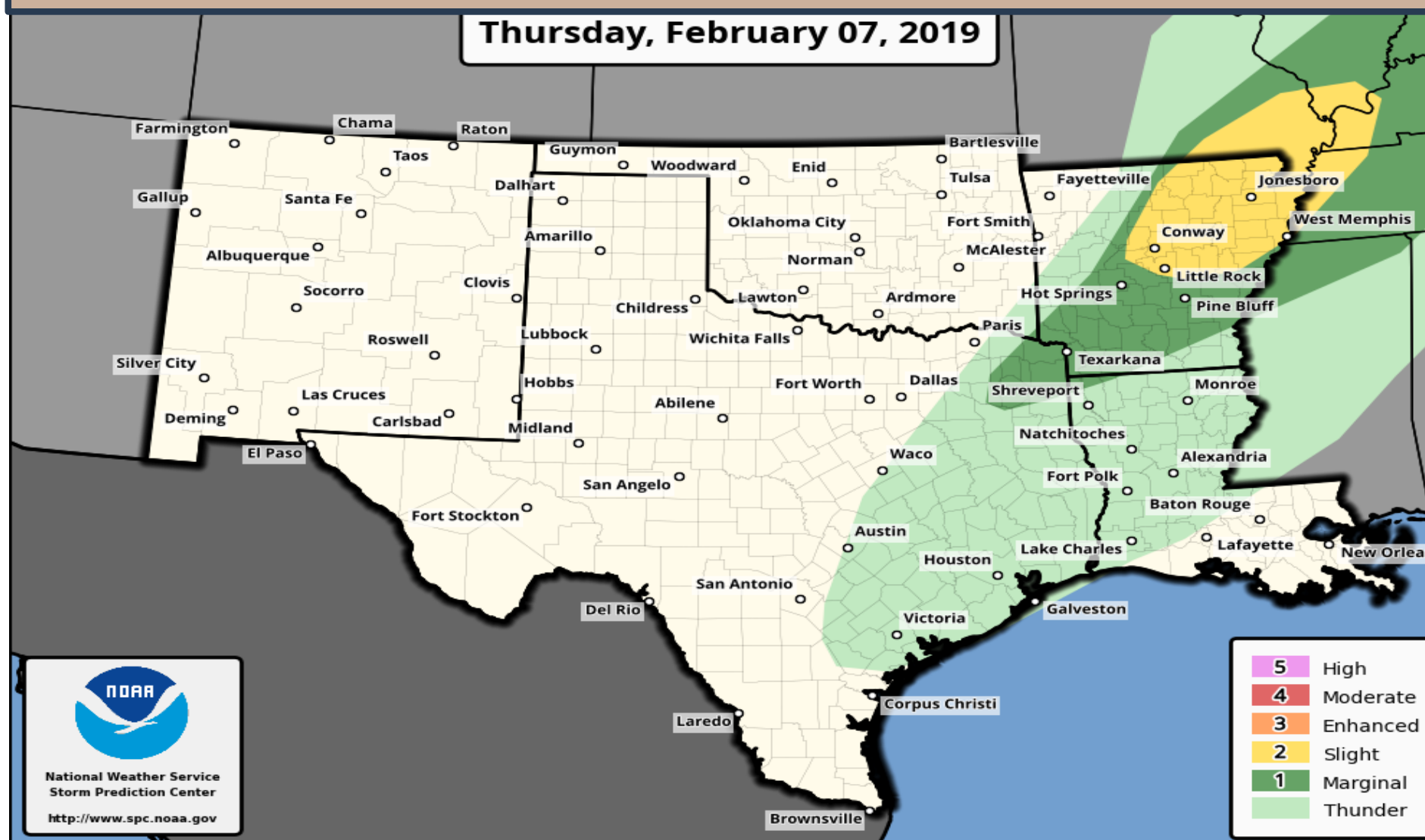


**Slight risk area for severe thunderstorms across NE AR.**

**Isolated strong to severe thunderstorms possible over S AR into NE TX**

**Isolated heavy rain possible across NE AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

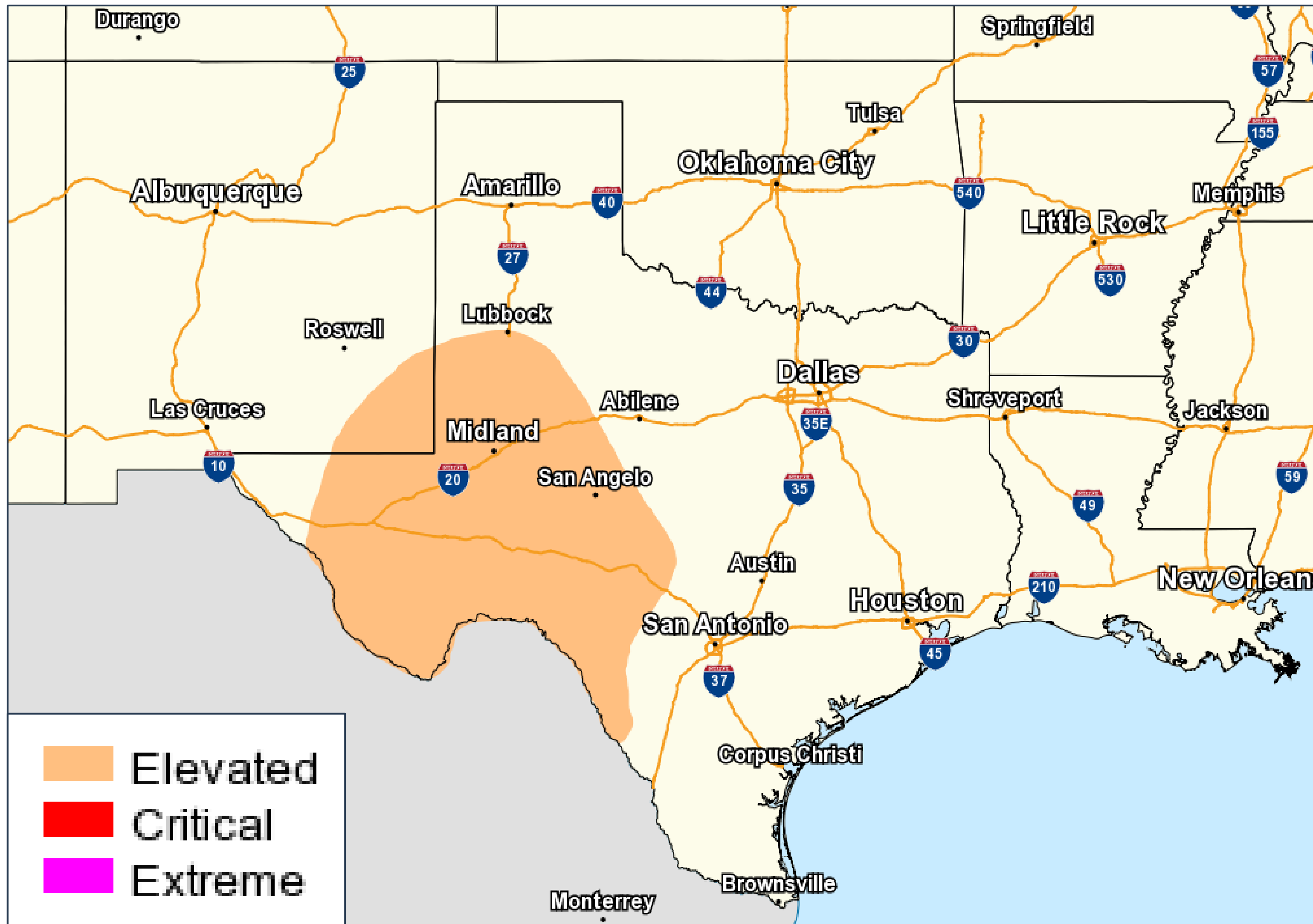




# Today's Fire Weather Outlook



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**Elevated fire weather conditions  
expected over WTX.**

# Watches, Warnings, and Advisories

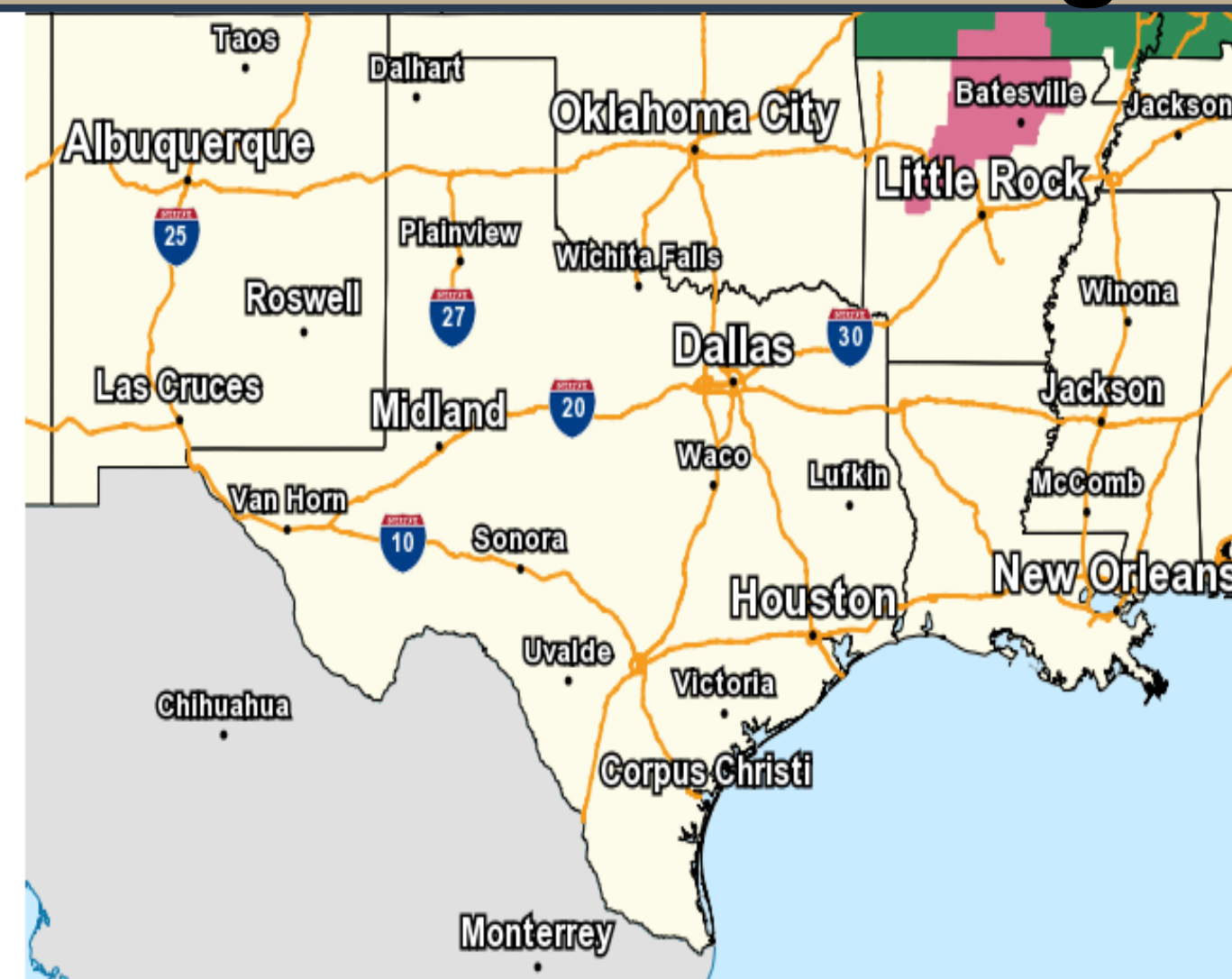


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## Fire Weather



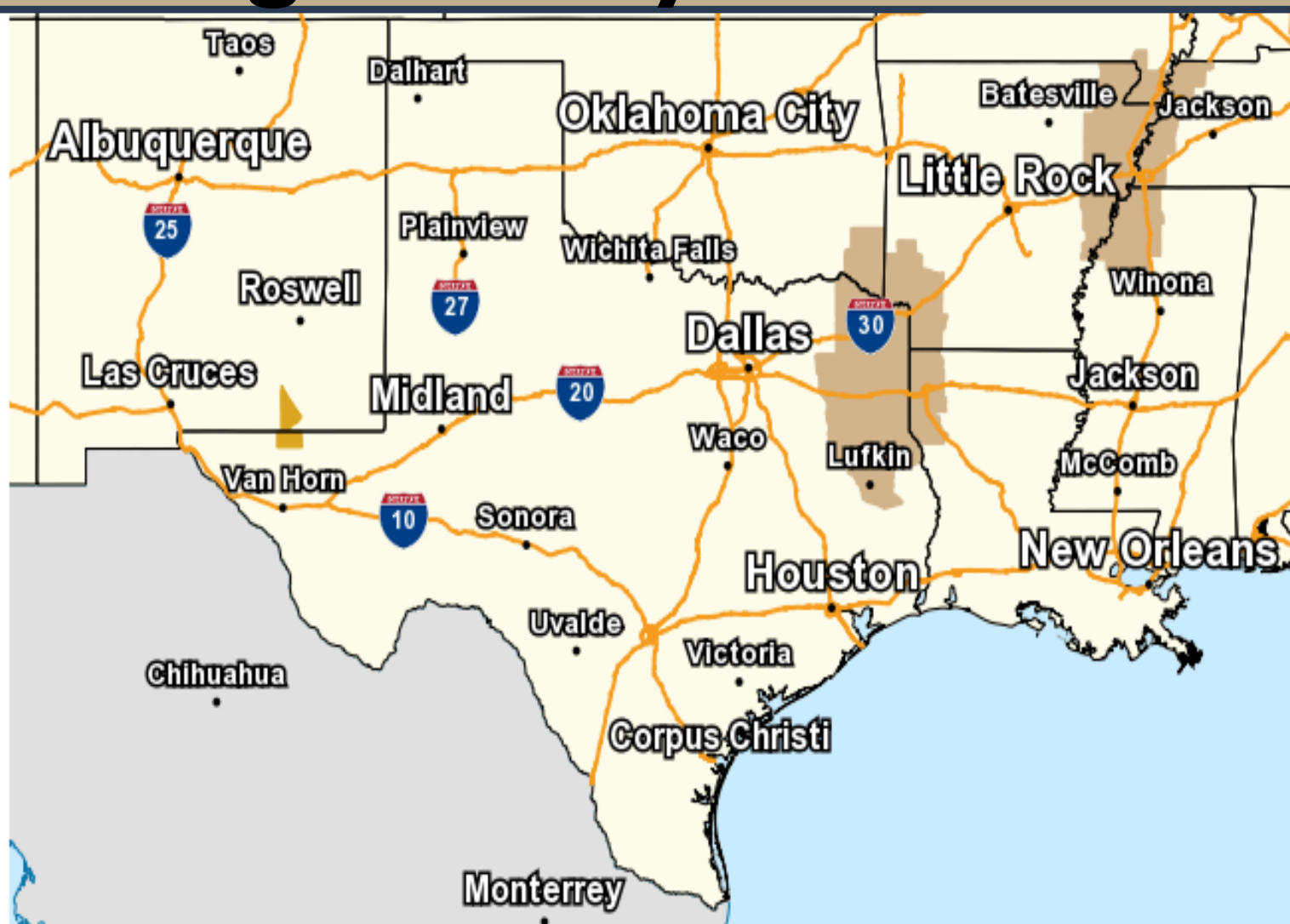
## Severe Weather & Flooding



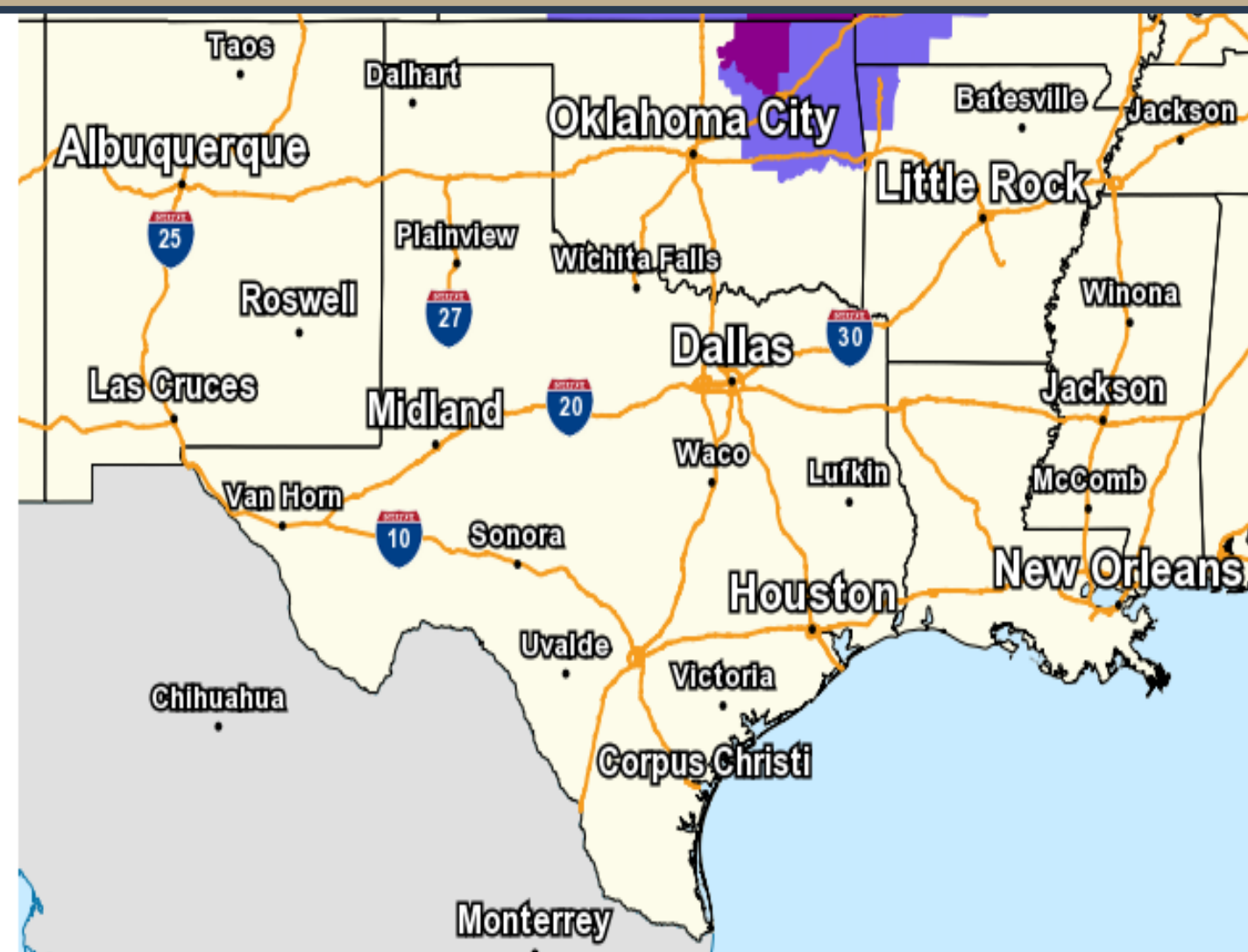
**Severe thunderstorm watch  
across portions of AR.**

**Winter Weather Advisory/Ice  
Storm Warning for NE OK**

## Strong & Gusty Winds



## Winter Weather



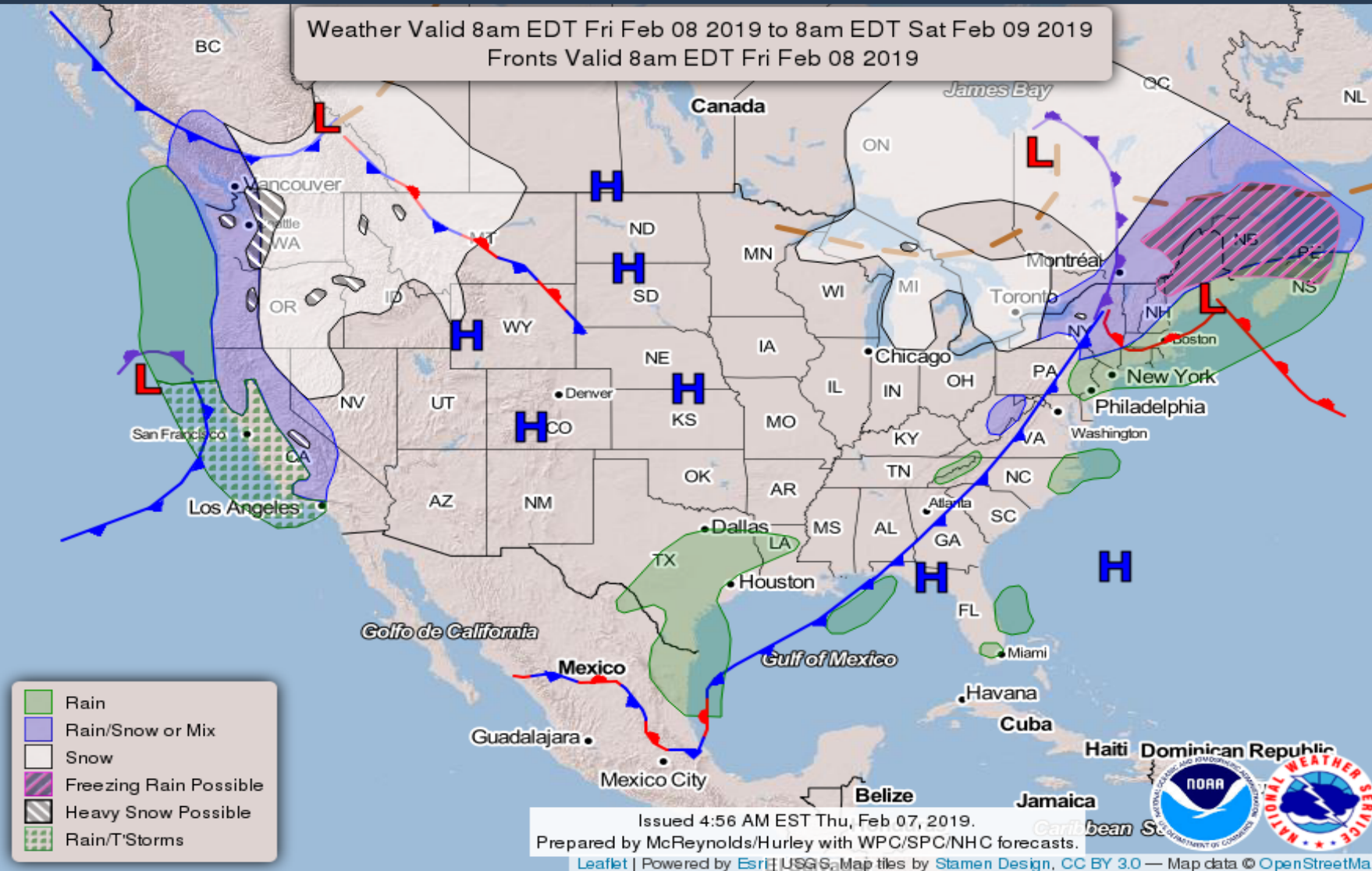


# Tomorrow's Weather

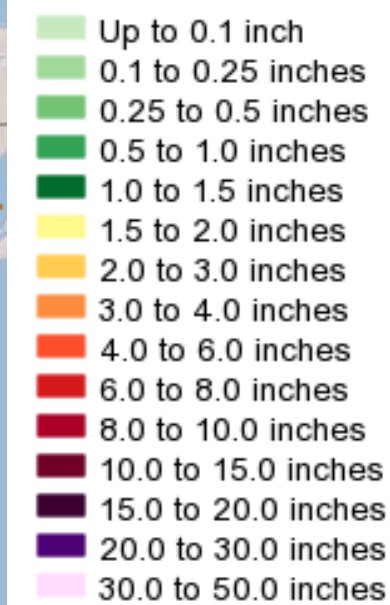


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## Forecast Chart



## Forecast Rainfall

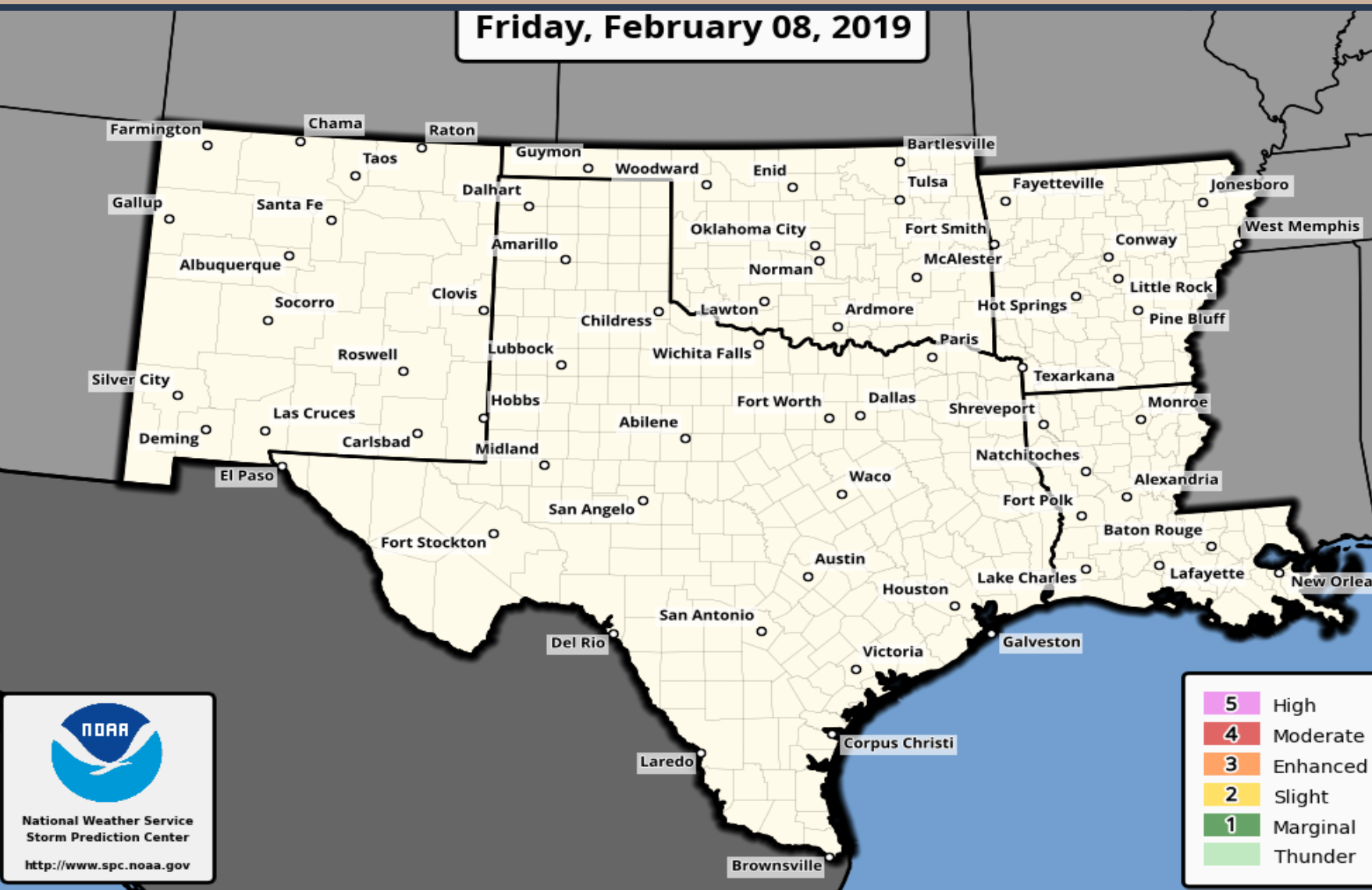


Graphic Created  
February 7th, 2019  
7:49 AM CST

No significant weather  
expected.

## Severe Weather Outlook

Friday, February 08, 2019



Graphic Created  
February 7th, 2019  
7:49 AM CST

## Excessive Rainfall Outlook





# Saturday's Weather

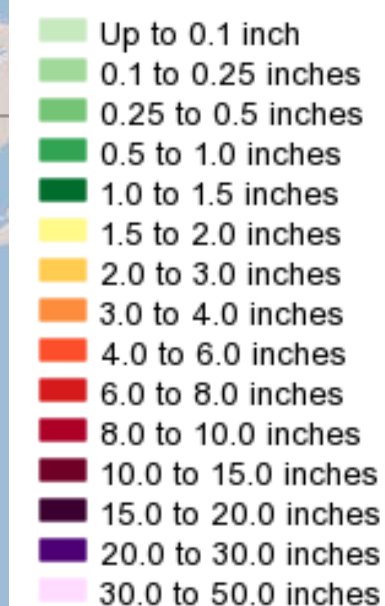
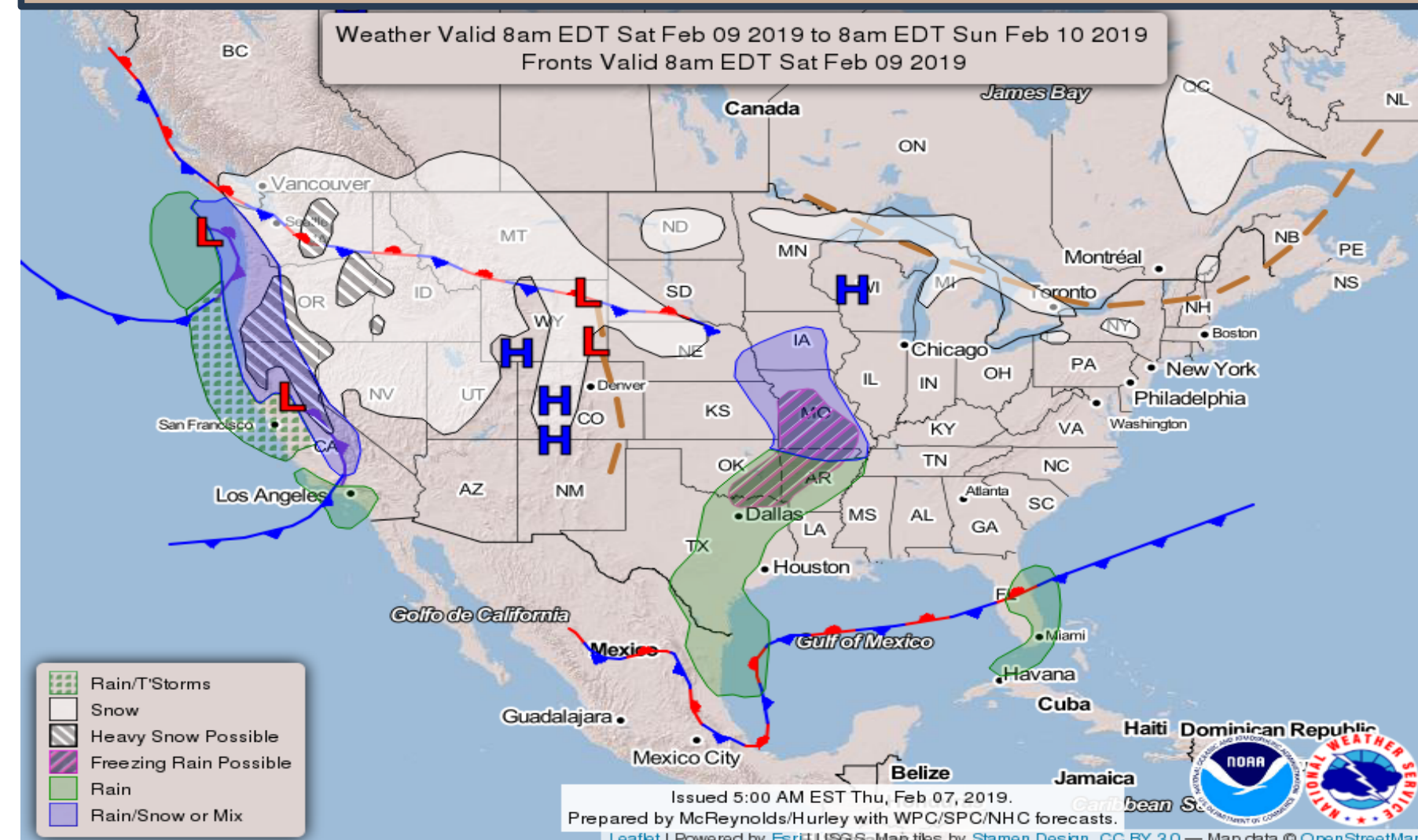
## Forecast Chart

## Forecast Rainfall



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No significant weather  
expected.

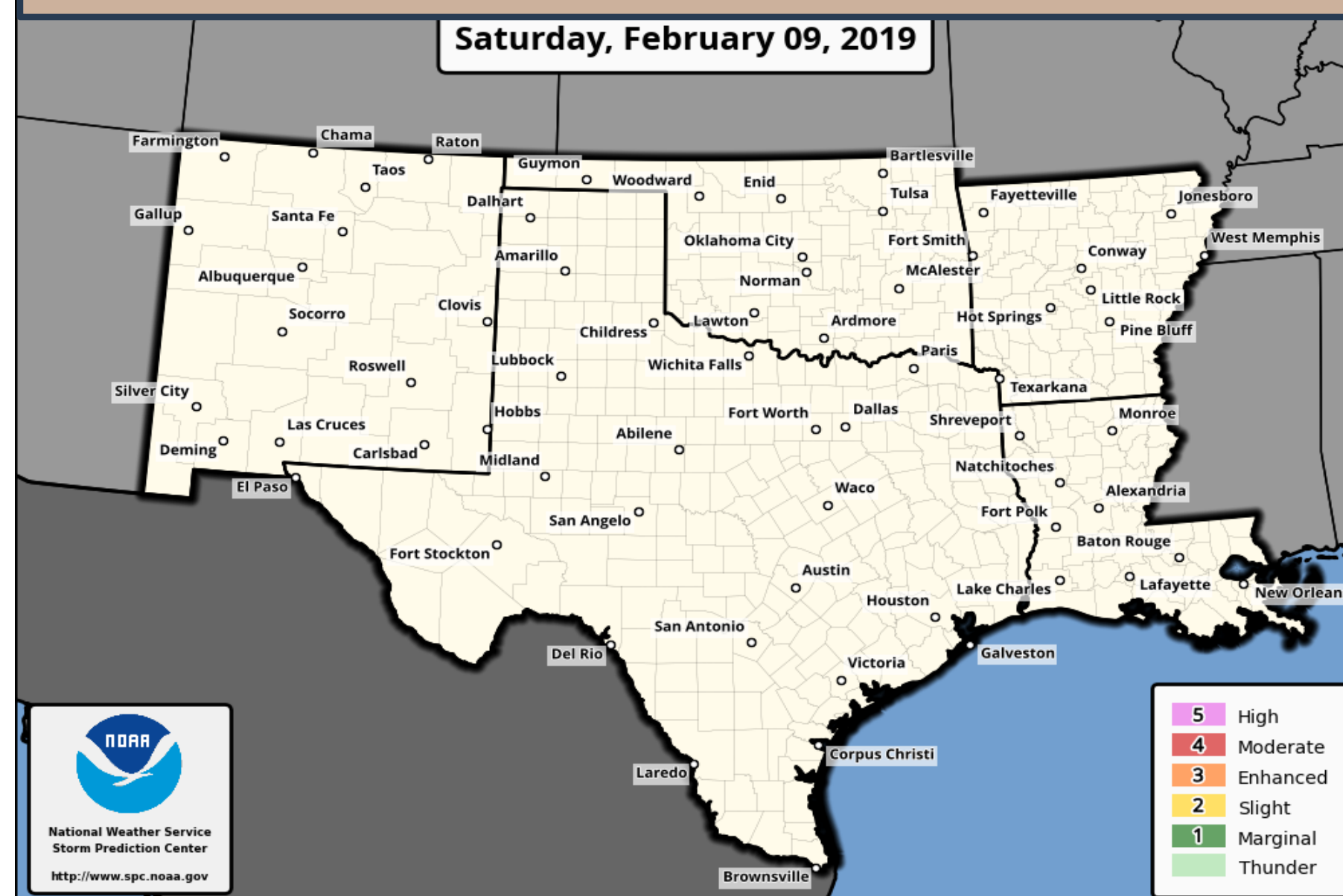


Graphic Created  
February 7th, 2019



## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
February 7th, 2019  
AM CST



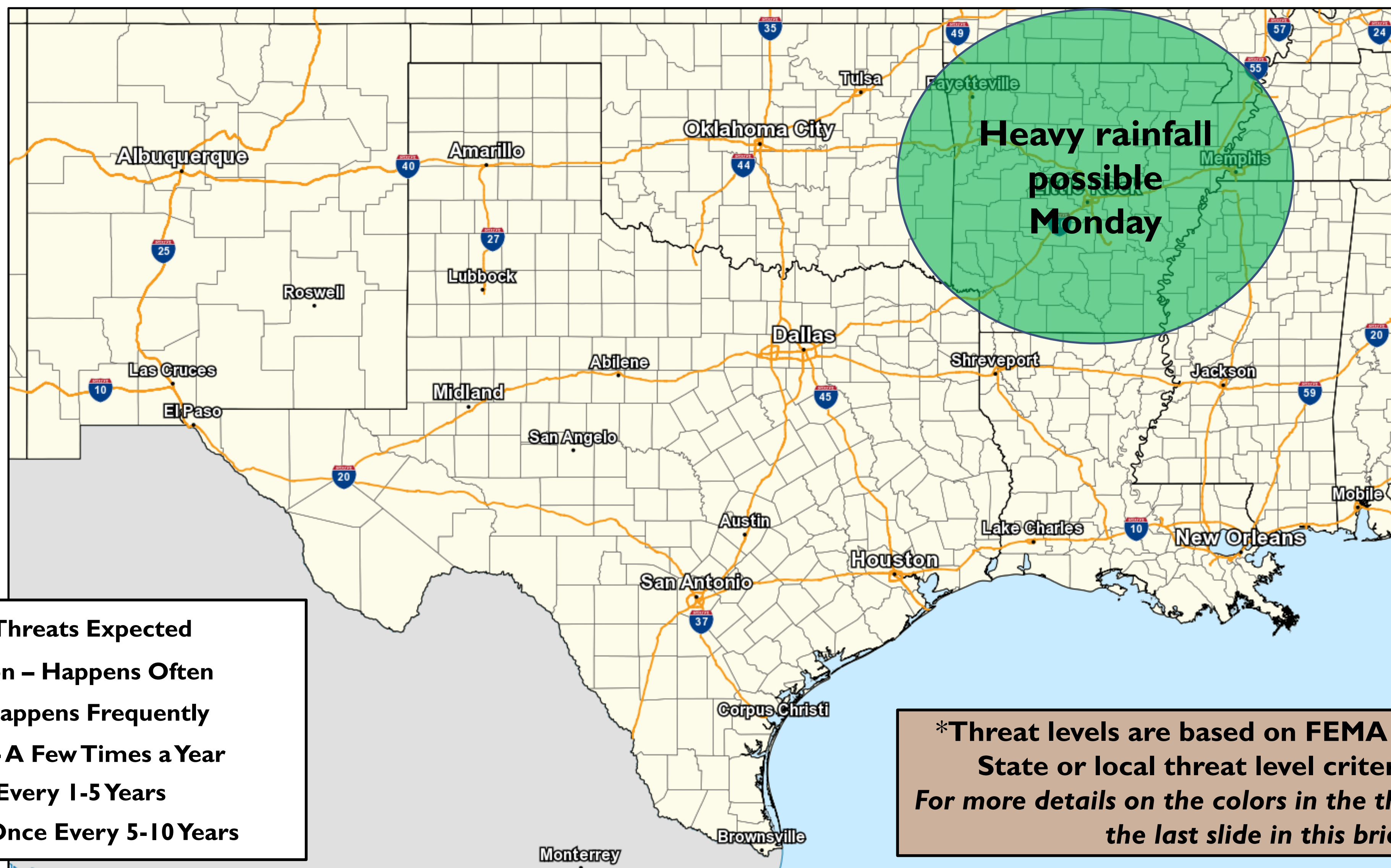


# Days 4-5 Weather Hazards

Sunday - Monday



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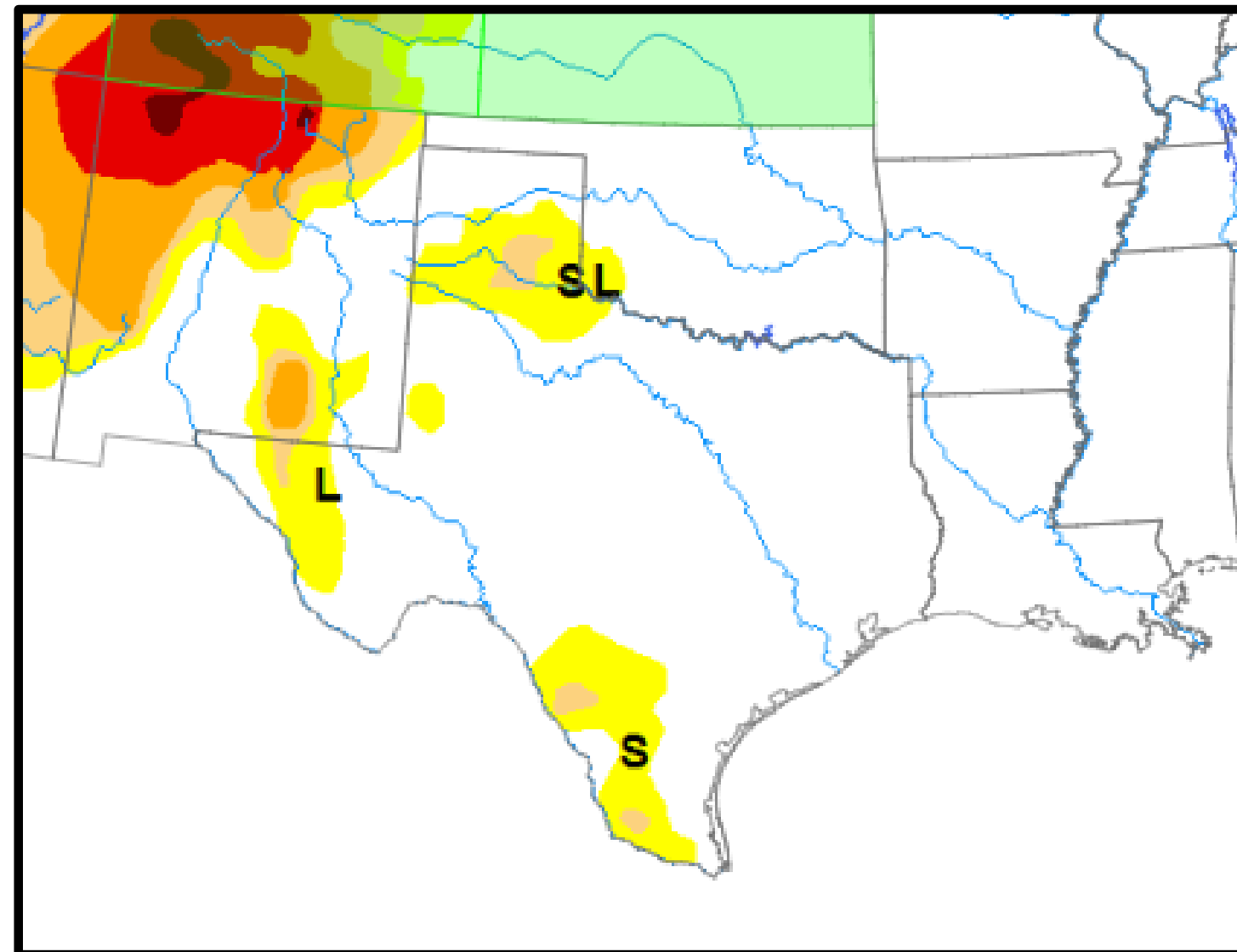
# Drought Monitor (Released February 7, 2019)



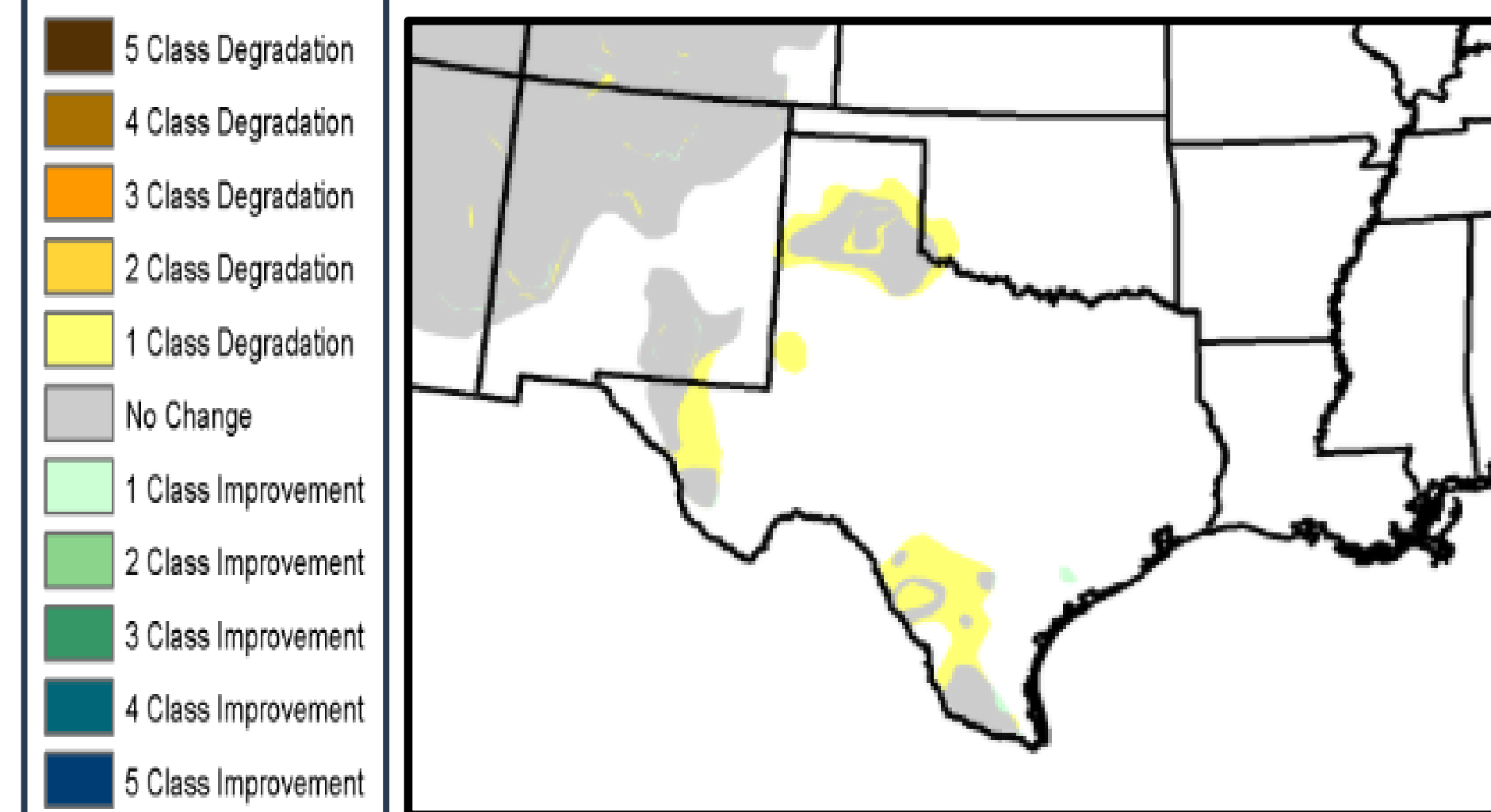
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Data valid as of 7am EST, Tuesday, February 5, 2019

## Drought Monitor



## One Week Change in Drought



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	2.37%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	0.00%	0.00%	0.00%	37.76%
Texas	0.00%	0.00%	0.42%	11.79%
New Mexico	14.98%	15.03%	22.08%	0.27%

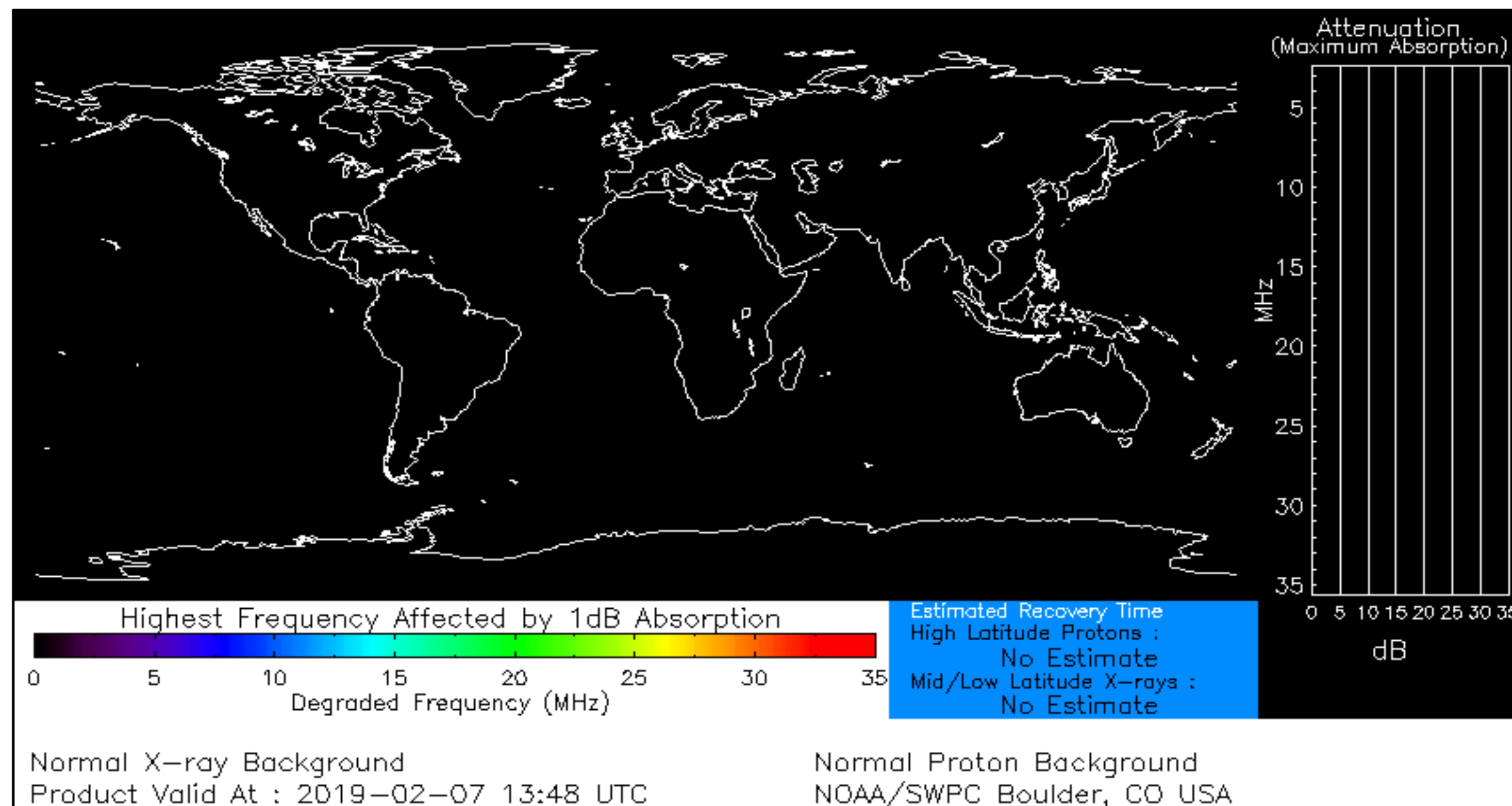


# Space Weather 3-Day Forecast



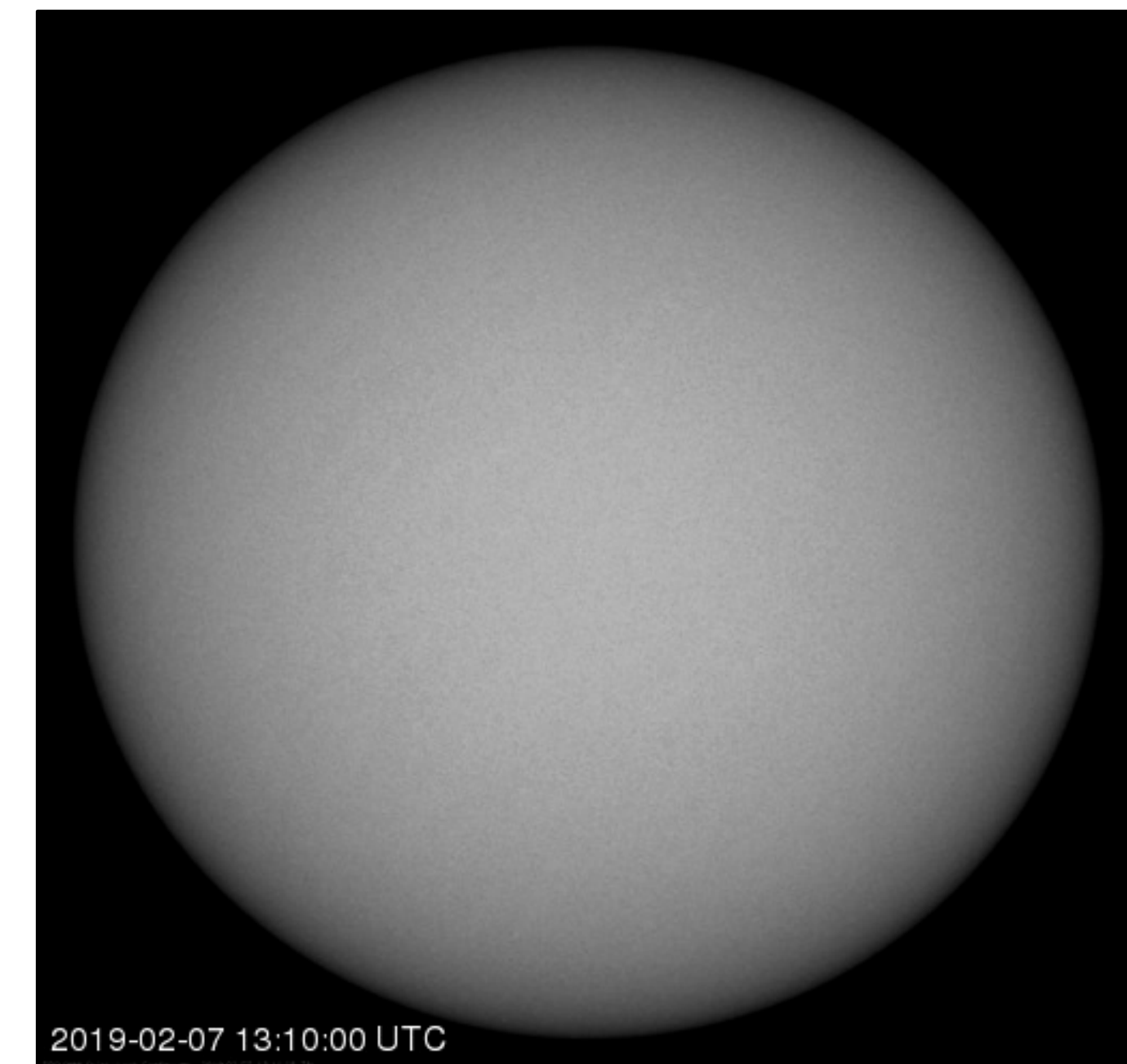
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	Thursday	Friday	Saturday
Geomagnetic Storms	Unsettled to Active (Max Kp = 4)	Unsettled to Active (Max Kp = 4)	Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2019-02-07 13:10:00 UTC





# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**